



SEQUENCE LISTING

<110> Economides, Aris N.
Stahl, Neil

<120> DCR-5 Bone Affecting Ligand

<130> REG 660AZ-US

<140> US 10/662,756

<141> 2003-09-15

<150> 09/762,960

<151> 2001-02-14

<150> PCT/US99/17979

<151> 1999-08-12

<150> 60/097,296

<151> 1998-08-20

<160> 21

<170> FastSEQ for Windows Version 4.0

<210> 1

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<223> Primer

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<222> 3, 12, 18

<223> n = A, T, C or G

<400> 1

mgnaartayy tnaarwsnga ytggtgy

27

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<222> 6, 9, 12, 21

<223> n = A, T, C or G

<400> 2

caracngtnw sngargargg ntgy 24

<210> 3
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<222> 1, 4, 10, 13, 16
<223> n = A, T, C or G

<400> 3
nggnggrtcn arnccnggrc a 21

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<222> 1, 7, 10, 19
<223> n = A, T, C or G

<400> 4
narrrtnacn swcatrcanc krca 24

<210> 5
<211> 192
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<213> Homo sapien

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<222> (1)...(192)

<400> 5
cag aca gtg acg gag gag ggc tgc cgg agc cgc acc atc ctc aac cgc 48
Gln Thr Val Thr Glu Glu Gly Cys Arg Ser Arg Thr Ile Leu Asn Arg
1 5 10 15

ttc tgc tac ggc cag tgc aac tcc ttc tac atc ccg cgg cac gtg aag 96
Phe Cys Tyr Glu Gln Cys Asn Ser Phe Tyr Ile Pro Arg His Val Lys
20 25 30

aag gag gag gag tcc ttc cag tcc tgc gcc ttc tgc aag ccc cag cgc 144
Lys Glu Glu Glu Ser Phe Gln Ser Cys Ala Phe Cys Lys Pro Gln Arg
35 40 45

gtc acc tcc gtc ctc gtg gag ctc gag tgc ccg gga cta gac ccc cca 192

Val Thr Ser Val Leu Val Glu Leu Glu Cys Pro Gly Leu Asp Pro Pro
 50 55 60

<210> 6
 <211> 64
 <212> PRT
 <213> Homo sapien

<400> 6
 Gln Thr Val Thr Glu Glu Gly Cys Arg Ser Arg Thr Ile Leu Asn Arg
 1 5 10 15
 Phe Cys Tyr Gly Gln Cys Asn Ser Phe Tyr Ile Pro Arg His Val Lys
 20 25 30
 Lys Glu Glu Glu Ser Phe Gln Ser Cys Ala Phe Cys Lys Pro Gln Arg
 35 40 45
 Val Thr Ser Val Leu Val Glu Leu Glu Cys Pro Gly Leu Asp Pro Pro
 50 55 60

<210> 7
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 7
 agccgcacca tcctcaaccg cttctgctac

30

<210> 8
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Construct

<400> 8
 Ser Arg Thr Ile Leu Asn Arg Phe Cys Tyr
 1 5 10

<210> 9
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 9

ctcgagctcc acgaggacgg aggtgac

27

<210> 10

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 10

Glu Leu Glu Val Leu Val Ser Thr Val

1

5

<210> 11

<211> 507

<212> DNA

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<220>

<221> CDS

<222> (1)...(504)

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atg ttc tgg aag ctt tcc ctg tcc ttg ttc ctg gtg gcg gtg ctg gtg 48

Met Phe Trp Lys Leu Ser Leu Ser Leu Phe Leu Val Ala Val Leu Val

1

5

10

15

aag gtg gcg gaa gcc cgg aag aac cgg ccg gcg ggc gcc atc ccc tcg 96

Lys Val Ala Glu Ala Arg Lys Asn Arg Pro Ala Gly Ala Ile Pro Ser

20

25

30

cct tac aag gac ggc agc agc aac aac tcg gag aga tgg cag cac cag 144

Pro Tyr Lys Asp Gly Ser Ser Asn Asn Ser Glu Arg Trp Gln His Gln

35

40

45

atc aag gag gtg ctg gcc tcc agc cag gag gcc ctg gtg gtc acc gag 192

Ile Lys Glu Val Leu Ala Ser Ser Gln Glu Ala Leu Val Val Thr Glu

50

55

60

cgc aag tac ctc aag agt gac tgg tgc aag acg cag ccg ctg cgg cag 240

Arg Lys Tyr Leu Lys Ser Asp Trp Cys Lys Thr Gln Pro Leu Arg Gln

65

70

75

80

acg gtg agc gag gag ggc tgc cgg agc cgc acc atc ctc aac cgc ttc 288

Thr Val Ser Glu Glu Gly Cys Arg Ser Arg Thr Ile Leu Asn Arg Phe

85

90

95

tgc tac ggc cag tgc aac tcc ttc tac atc ccg cgg cac gtg aag aag 336

Cys Tyr Gly Gln Cys Asn Ser Phe Tyr Ile Pro Arg His Val Lys Lys

100

105

110

gag gag gag tcc ttc cag tcc tgc gcc ttc tgc aag ccc cag cgc gtc 384

Glu Glu Glu Ser Phe Gln Ser Cys Ala Phe Cys Lys Pro Gln Arg Val

115

120

125

acc tcc gtc ctc gtg gag ctc gag tgc ccc ggc ctg gac cca ccc ttc 432
 Thr Ser Val Leu Val Glu Leu Glu Cys Pro Gly Leu Asp Pro Pro Phe
 130 135 140

cga ctc aag aaa atc cag aag gtg aag cag tgc cgg tgc atg tcc gtg 480
 Arg Leu Lys Lys Ile Gln Lys Val Lys Gln Cys Arg Cys Met Ser Val
 145 150 155 160

aac ctg agc gac tcg gac aag cag tga 507
 Asn Leu Ser Asp Ser Asp Lys Gln
 165

<210> 12
 <211> 168
 <212> PRT
 <213> Homo sapien

<400> 12
 Met Phe Trp Lys Leu Ser Leu Ser Leu Phe Leu Val Ala Val Leu Val
 1 5 10 15
 Lys Val Ala Glu Ala Arg Lys Asn Arg Pro Ala Gly Ala Ile Pro Ser
 20 25 30
 Pro Tyr Lys Asp Gly Ser Ser Asn Asn Ser Glu Arg Trp Gln His Gln
 35 40 45
 Ile Lys Glu Val Leu Ala Ser Ser Gln Glu Ala Leu Val Val Thr Glu
 50 55 60
 Arg Lys Tyr Leu Lys Ser Asp Trp Cys Lys Thr Gln Pro Leu Arg Gln
 65 70 75 80
 Thr Val Ser Glu Glu Gly Cys Arg Ser Arg Thr Ile Leu Asn Arg Phe
 85 90 95
 Cys Tyr Gly Gln Cys Asn Ser Phe Tyr Ile Pro Arg His Val Lys Lys
 100 105 110
 Glu Glu Glu Ser Phe Gln Ser Cys Ala Phe Cys Lys Pro Gln Arg Val
 115 120 125
 Thr Ser Val Leu Val Glu Leu Glu Cys Pro Gly Leu Asp Pro Pro Phe
 130 135 140
 Arg Leu Lys Lys Ile Gln Lys Val Lys Gln Cys Arg Cys Met Ser Val
 145 150 155 160
 Asn Leu Ser Asp Ser Asp Lys Gln
 165

<210> 13
 <211> 48
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 13
 cagatagaat tcgccgccac catggtgtgg aagctttccc tgtccttg 48

<210> 14
 <211> 30
 <212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 14

cacgagaccg gtctgcttgt ccgagtcgct

30

<210> 15

<211> 114

<212> DNA

<213> Artificial Sequence

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<223> Triple myc tag

<400> 15

gagcagaagc tgatatccga agaagacctc ggcggagagc agaagctcat aagtgaggaa 60

gacttgggcg gagagcagaa gcttatatcc gaagaagatc tcggaccgtg ataa 114

<210> 16

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 16

gagagacatg tctcggaaga accgtccggc tggcgccatc ccctcgctt ac

52

<210> 17

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 17

gagagcggcc gctcattact gcttgtccga gtcgctcag

39

<210> 18

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Mammalian

<400> 18

Arg Lys Tyr Leu Lys Ser Asp Trp Cys

1

5

<210> 19

<211> 8
<212> PRT
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<223> Mammalian

<400> 19
Gln Thr Val Ser Glu Gly Cys
1 5

<210> 20
<211> 7
<212> PRT
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<223> Mammalian

<400> 20
Pro Pro Asp Leu Gly Pro Cys
1 5

<210> 21
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<212> PRT
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<223> Mammalian

<400> 21
Leu Asn Val Ser Met Cys Arg Cys
1 5